

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

REC'D 30 MAR 2006

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To:

see form PCT/ISA/220

PTOI

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/GB2005/004814

International filing date (day/month/year)
14.12.2005

Priority date (day/month/year)
18.12.2004

International Patent Classification (IPC) or both national classification and IPC
INV. B01D33/03 B07B1/46

Applicant
UNITED WIRE LIMITED

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☒ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0 Tx: 523656 epmu d
Fax: +49 89 2399 - 4465

Authorized Officer

Hilt, D

Telephone No. +49 89 2399-6577



**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/GB2005/004814

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
 - ☐ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material:
 - ☐ in written format
 - ☐ in computer readable form
 - c. time of filing/furnishing:
 - ☐ contained in the international application as filed.
 - ☐ filed together with the international application in computer readable form.
 - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/GB2005/004814

**Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial
applicability**

The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:

- ☐ the entire international application,
- ☒ claims Nos. 14

because:

- ☐ the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (*specify*):
- ☒ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. 14 are so unclear that no meaningful opinion could be formed (*specify*):

see separate sheet

- ☐ the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.
- ☐ no international search report has been established for the whole application or for said claims Nos.
- ☐ the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:
 - the written form ☐ has not been furnished
 - ☐ does not comply with the standard
 - the computer readable form ☐ has not been furnished
 - ☐ does not comply with the standard
- ☐ the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.
- ☐ See separate sheet for further details

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/GB2005/004814

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

| | | |
|-------------------------------|-------------|------|
| Novelty (N) | Yes: Claims | 1-13 |
| | No: Claims | |
| Inventive step (IS) | Yes: Claims | 1-13 |
| | No: Claims | |
| Industrial applicability (IA) | Yes: Claims | 1-13 |
| | No: Claims | |

2. Citations and explanations

see separate sheet

Re Item III.

With reference to rule 6.2 (a) PCT and Guidelines page 38 para. 5.10, claim 14 can not, in respect of the technical features of the invention, rely on references to the description or drawings.

Re Item V.

- 1 Reference is made to the following document:
D1 : US 2002/113043 A1 (COOK GORDON JAMES ET AL) 22 August 2002 (2002-08-22)
- 2 Document D1, which is considered to represent the most relevant state of the art, discloses a frame over which woven wire mesh is to be stretched from which the subject-matter of claim 1 differs in that:
 - the edge regions of the frame are reinforced internally by metal box-section members joined at their four corners and defining a perimeter reinforcement and;
 - the ends of the wires are secured to the box-section members.

Document D1, discloses also a framework for reinforcing a frame over which woven wire mesh is to be stretched from which the subject-matter of claim 10 differs in that:

- the ends of the wires are secured to a rectilinear bounding sub-frame of metal box-section members joined at their four corners.

- 2.1 The subject-matter of claims 1 and 10 is therefore novel (Article 33(2) PCT)
The problem to be solved by the present invention may be regarded as to provide an improved form of relatively light-weight frame construction which is sufficiently rigid as not to whip excessively in use and can span larger screening areas than the previously produced wire reinforced GRP frame screens.
- 2.2 The solution to this problem proposed in claims 1 and 10 of the present application is

considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

No hint can be found in the available prior art that would have led the skilled man to modify the framework and as consequence the frame as disclosed in document D1 towards a framework and frame of the present invention.

- 2.3 Claims 2-9,12,13 and 11 are respectively dependent on claim 1 and claim 10 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

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European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0 Tx: 523656 epmu d
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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/GB2005/004814

Box No. I Basis of the opinion

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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/GB2005/004814

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application,

☒ claims Nos. 14

because:

☐ the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (*specify*):

☒ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. 14 are so unclear that no meaningful opinion could be formed (*specify*):

see separate sheet

☐ the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.

☐ no international search report has been established for the whole application or for said claims Nos.

☐ the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:

the written form

☐ has not been furnished

☐ does not comply with the standard

the computer readable form

☐ has not been furnished

☐ does not comply with the standard

☐ the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-*bis* of the Administrative Instructions.

☐ See separate sheet for further details

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/GB2005/004814

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

| | | |
|-------------------------------|-------------|------|
| Novelty (N) | Yes: Claims | 1-13 |
| | No: Claims | |
| Inventive step (IS) | Yes: Claims | 1-13 |
| | No: Claims | |
| Industrial applicability (IA) | Yes: Claims | 1-13 |
| | No: Claims | |

2. Citations and explanations

see separate sheet

Re Item III.

With reference to rule 6.2 (a) PCT and Guidelines page 38 para. 5.10, claim 14 can not, in respect of the technical features of the invention, rely on references to the description or drawings.

Re Item V.

- 1 Reference is made to the following document:
D1 : US 2002/113043 A1 (COOK GORDON JAMES ET AL) 22 August 2002 (2002-08-22)
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Document D1, discloses also a framework for reinforcing a frame over which woven wire mesh is to be stretched from which the subject-matter of claim 10 differs in that:

- the ends of the wires are secured to a rectilinear bounding sub-frame of metal box-section members joined at their four corners.

- 2.1 The subject-matter of claims 1 and 10 is therefore novel (Article 33(2) PCT)
The problem to be solved by the present invention may be regarded as to provide an improved form of relatively light-weight frame construction which is sufficiently rigid as not to whip excessively in use and can span larger screening areas than the previously produced wire reinforced GRP frame screens.
- 2.2 The solution to this problem proposed in claims 1 and 10 of the present application is

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING
AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/GB2005/004814

considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

No hint can be found in the available prior art that would have led the skilled man to modify the framework and as consequence the frame as disclosed in document D1 towards a framework and frame of the present invention.

- 2.3 Claims 2-9,12,13 and 11 are respectively dependent on claim 1 and claim 10 and as such also meet the requirements of the PCT with respect to novelty and inventive step.